2958

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. DAY YEAR (9-14)	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2958	038	02 17 76	23AL	3453	76 16

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0003	13	13	15	027	Y	SW	25

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
5	CL	SA	E	FT	151	—	08	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00144	—	—	—

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
							PO	DO
START	34°53′	76°16′	3446 1519	3421 4858	3		0813	0814
							PU	ON
FINISH	34°54′	76°14′	1494	4856	4		0844	0848

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200/5 2	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

15 Blueback herring

23AL

R/V DAN MOORE SPECIES LIST

STA. NO. 2958 DATE Feb 17 1976 BIOLOGISTS BFH JV SGK

TOT. CATCH WT. 144.7 AIR 15 SURFACE 12.7 BOTTOM 12.5

SAMPLE WT. 51.2 RAISING FACTOR $\frac{147}{51.2} = 2.8711$

basket wts
48
50
49
147

SPECIES	C or NC	SUBSAMPLE NUMBER	SUBSAMPLE WEIGHT	TOTAL NO.	TOTAL WT.	X WT	REMARKS
Trichiurus lepturus		~82	~4	235	11.5	20.1	numerous in webbing
Pomatomus saltatrix	NC	5	2.5	14	7.2	0.5	
Cynoscion regalis	NC	146	23	419	66	0.2	6 lb = 38 "pan"
	C	1	0.4	3	1.1	0.4	
Peprilus triacanthus	NC	102	13	293	37.3	0.1	
	C	1	0.4	3	1.1	0.4	
Leiostomus xanthurus	NC	3	0.4	9	1.1	0.1	
	C	1	0.2	3	0.6	0.2	
Menticirrhus americanus	NC	1	0.3	3	0.9	0.3	
Synodus foetens		1	0.5	3	1.4	0.5	
Peprilus alepidotus	NC	2	0.2	6	0.6	0.1	
Bairdiella chrysura		1	0.2	3	0.6	0.2	
Alosa aestivalis				15	6	0.4	
Squalus acanthias		1	1	1	9	9	
Lolliguncula brevis		1	0.1	3	0.3	0.1	

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Species: *Alosa aestivalis*

Specimen Number	FL.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1144	241	♀						II	2958	
1145	227	♂								
1146	248	♀						II		
47	265	♀						III		
48	236	♂								
49	232	♂								
50	244	♂								
51	253	♀						III		
52	253	♂								
53	242	♀						I		
54	237	♂								
55	248	♀						II		
56	226	♂								
57	261	♀						III		
58	234	♂								
59	256	♂							2966	
60	252	♀						II	2970	
61	244	♂								
62	240	♀						II		
63	240	♀						II		
64	252	♀						II		
65	238	♂								
66	216	♀						IM		
67	182	♂						IM		
68	185	♂						IM		
69	181	♀						IM		
70	182	♂						IM		
71	228	♂								
72	225	♂						IM		
73	189	♂						IM		
74	243	♂								
75	186	♂						IM		
76	170	♀						IM		
77	218	♂						IM		
78	203	♀						IM		
79	181	♂						IM		
80	187	♂						IM		
81	241	♀						II		
82	282	♀						II		
83	243	♀						II		
84	252	♀						II		
85	270	♀						II		
86	191	♂						IM		
87	236	♂								
88	205	♂						IM		
89	203	♀						IM		
90	186	♀						IM		
91	175	♀						IM		
92	202	♀						IM		
93	176	♀						IM		
94	180	♀						IM		

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: A. festivalis

DATE: 2/17/76

STATION: 2958

LOCALITY: 23AL

T.L.	♂	♀	UNK		T.L.	♂	♀	UNK	
50-59.9					550-				
60-					560-				
70-					570-				
80-					580-				
90-					590-				
100-					600-				
110-					610-				
120-					620-				
130-					630-				
140-					640-				
150-					650-				
160-					660-				
170-					670-				
180-					680-				
190-					690-				
200-					700-				
210-									
220-	2								
230-	4				TOTAL	8	6		
240-	1	4							
250-	1	1							
260-		1							
270-						N = 14			
280-									
290-									
300-						Range ♂		226-253	
310-									
320-									
330-							♀	241-265	
340-									
350-									
360-									
370									
380-									
390-									
400-									
410-									
420-									
430-									
440-									
450-									
460-									
470-									
480-									
490-									
500-									
510-									
520									
530-									
540-									

SUMMARY

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: A. restivalis

DATE: Feb. 1976

STATION:

LOCALITY:

T.L.	♂	♀	Unk
50-59.9			
60-			
70-			7
80-			36
90-			13
100-		2	1
110-		1	2
120-	1	1	
130-	5	1	
140-	31	51	
150-	140	121	
160-	41	77	
170-	50	57	
180-	33	43	
190-	15	18	
200-	15	17	
210-	13	26	
220-	19	5	
230-	42	12	
240-	30	33	
250-	28	34	
260-	8	12	
270-	1	10	
280-		3	
290-			
300-			
310-			
320-			
330-			
340-			
350-			
360-			
370			
380-			
390-			
400-			
410-			
420-			
430-			
440-			
450-			
460-			
470-			
480-			
490-			
500-			
510-			
520			
530-			
540-			

T.L.	♂	♀	Unk
550-			
560-			
570-			
580-			
590-			
600-			
610-			
620-			
630-			
640-			
650-			
660-			
670-			
680-			
690-			
700-			
TOTAL	472	524	59

N = 1055

Range ♂ 123-270

♀ 103-284

unk 76-115

PAGE ___ OF ___

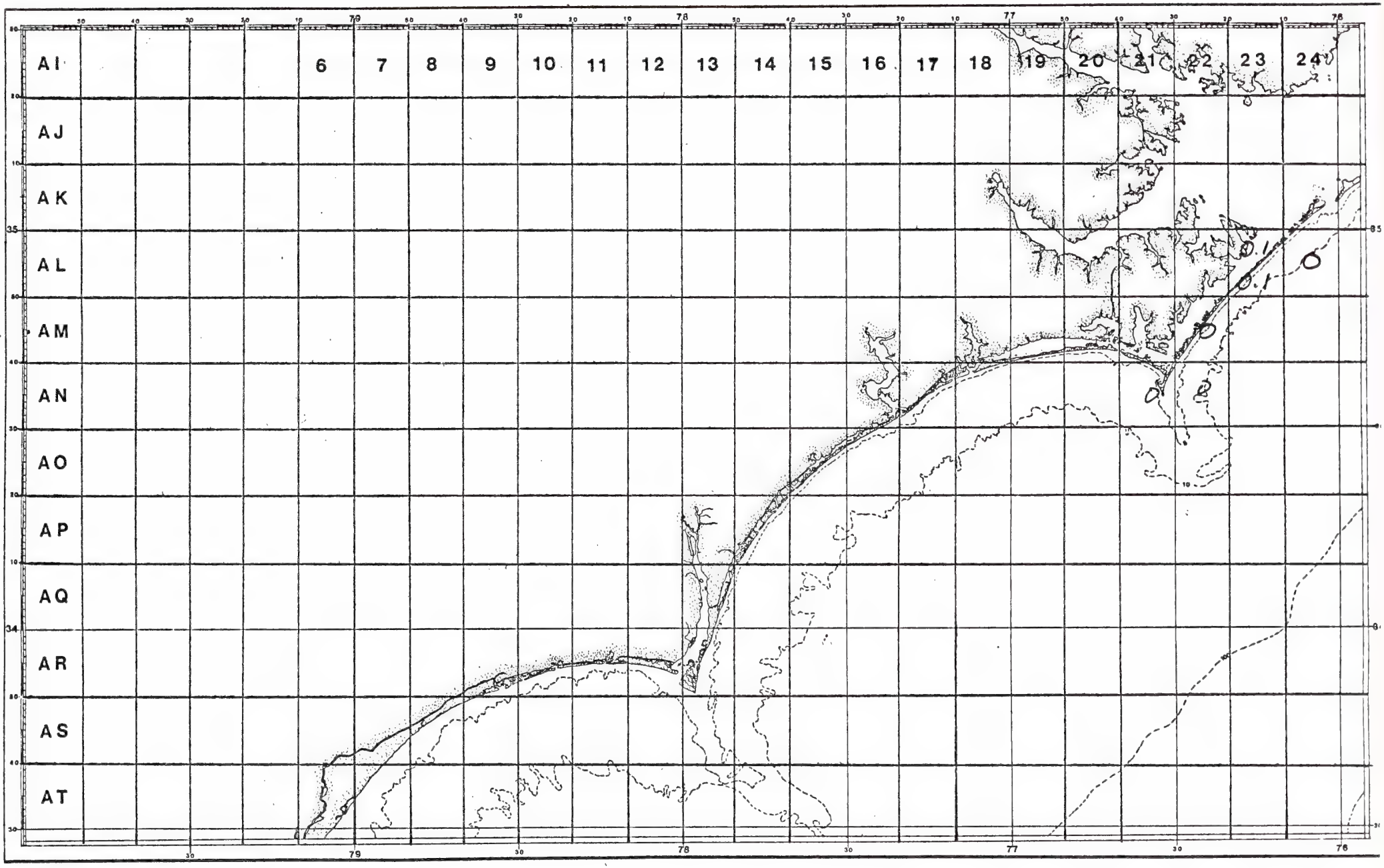
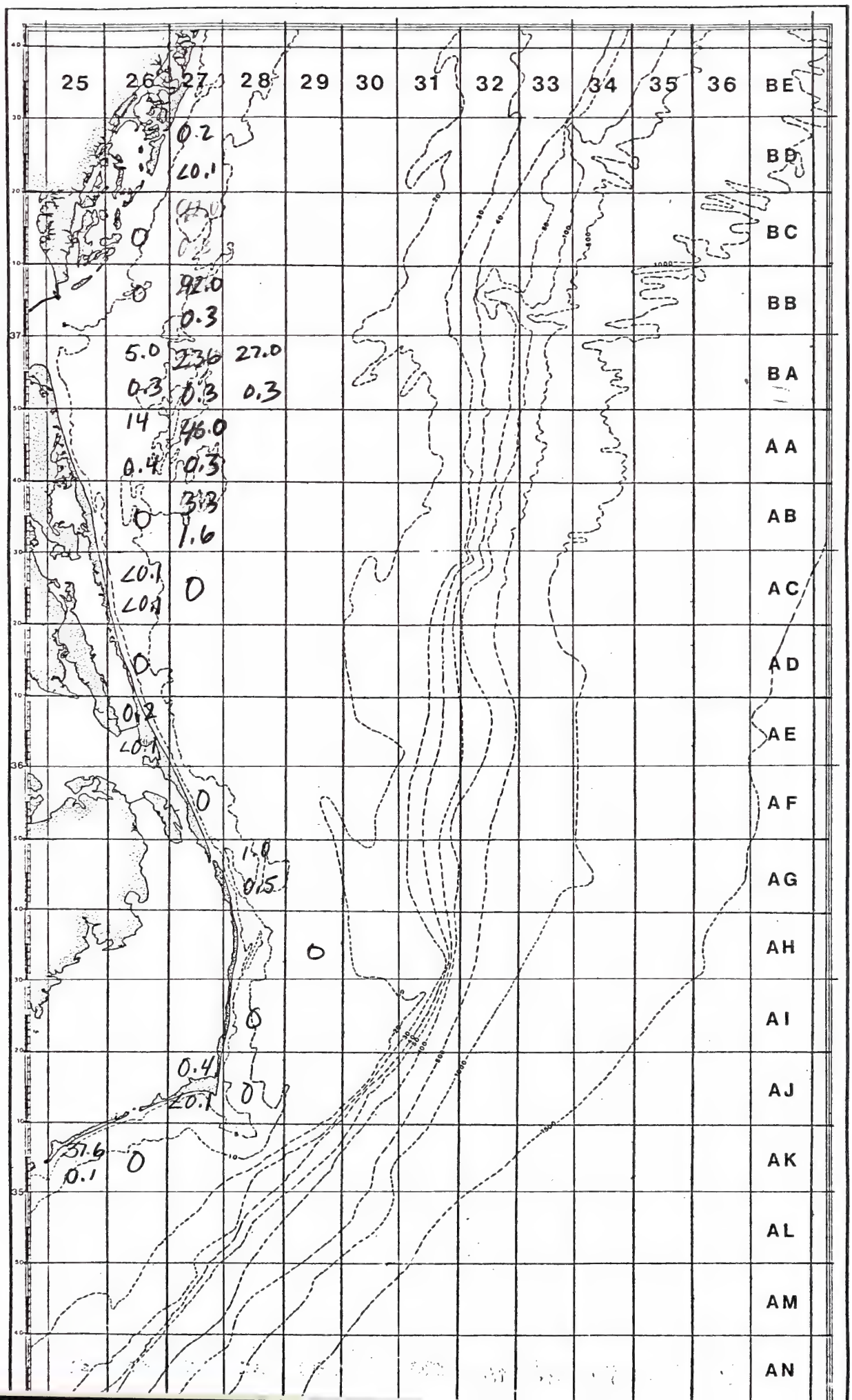


Figure 7. Pounds per 30-minute tow and average weight of blueback herring (Alosa aestivalis), January 1976



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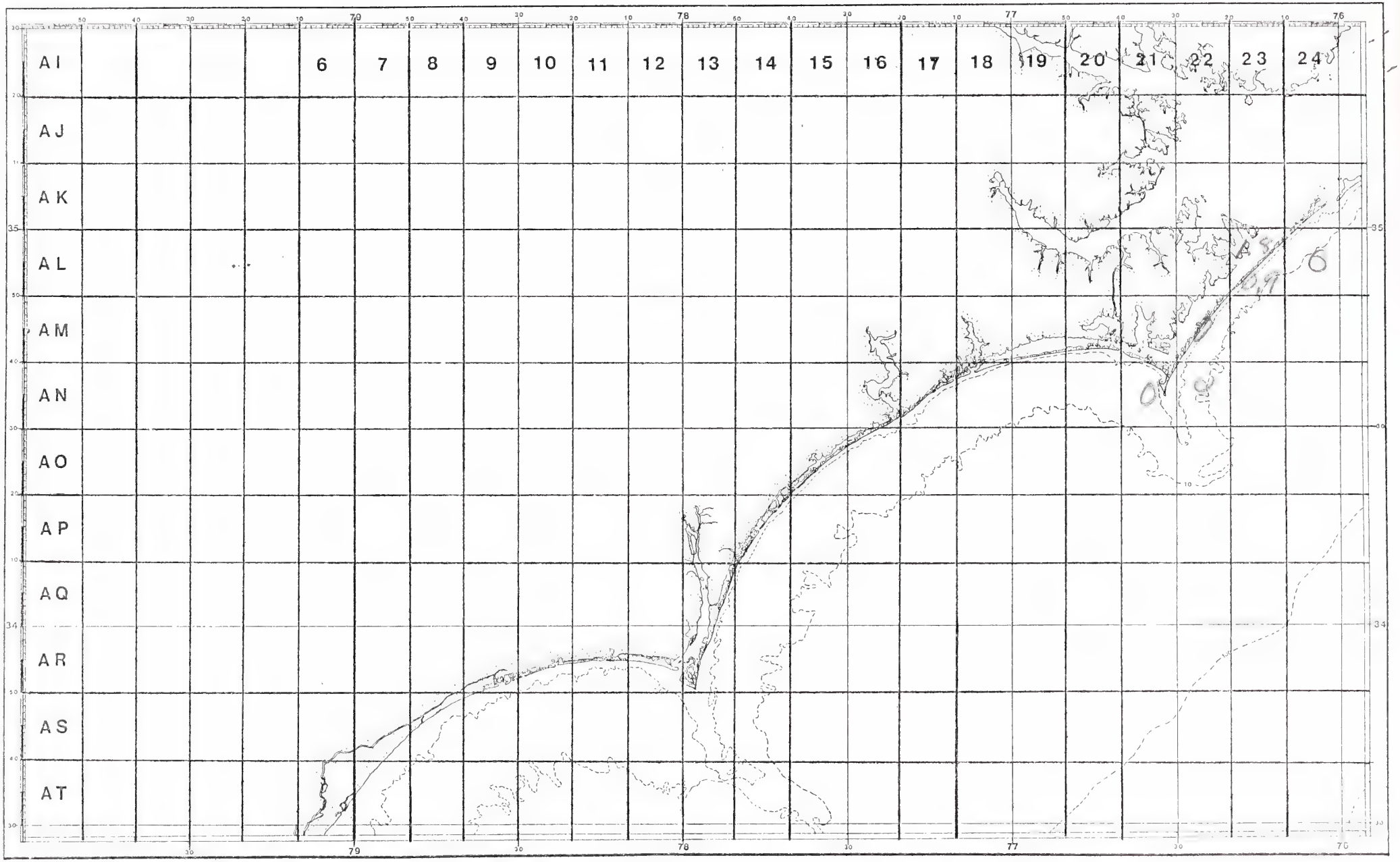
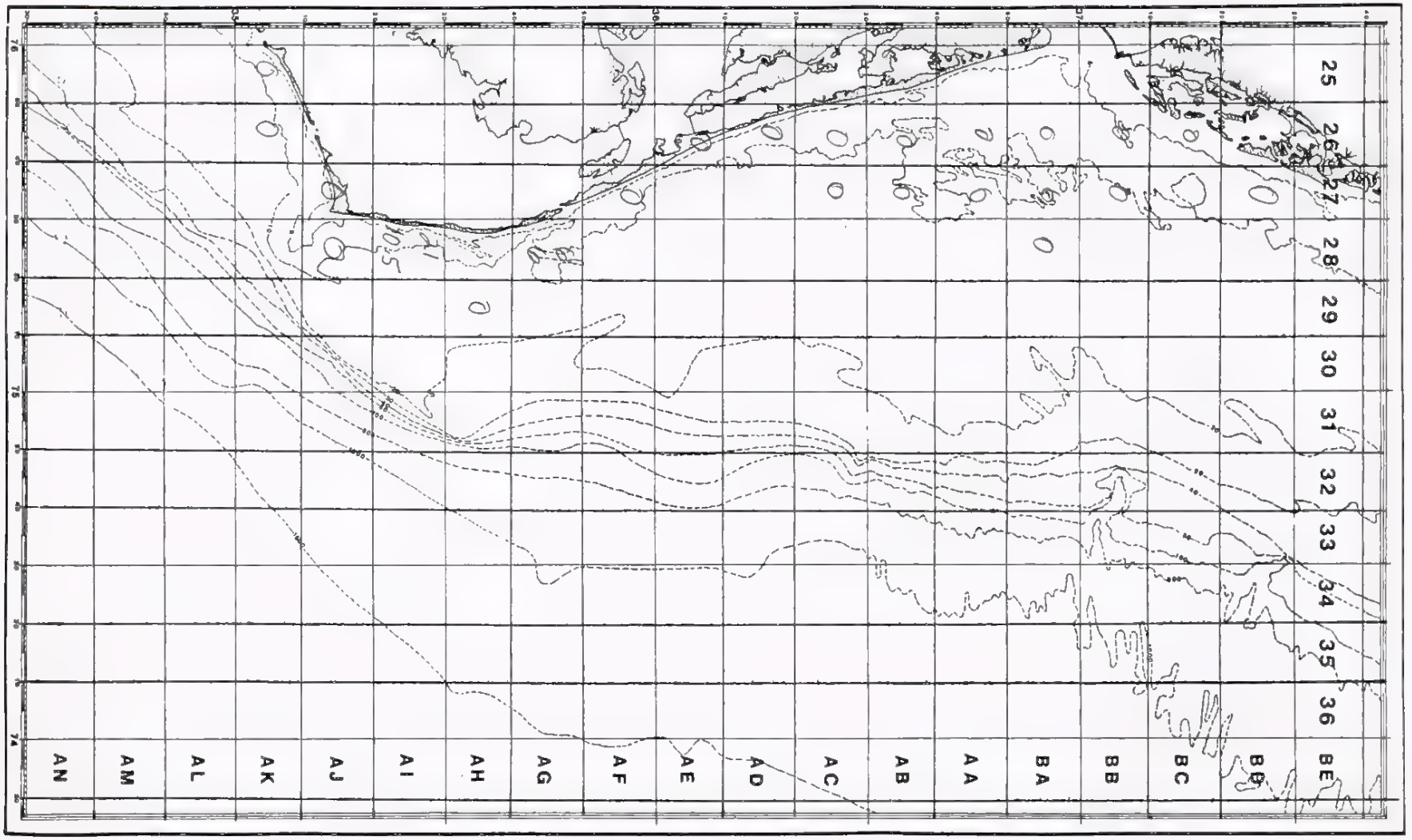


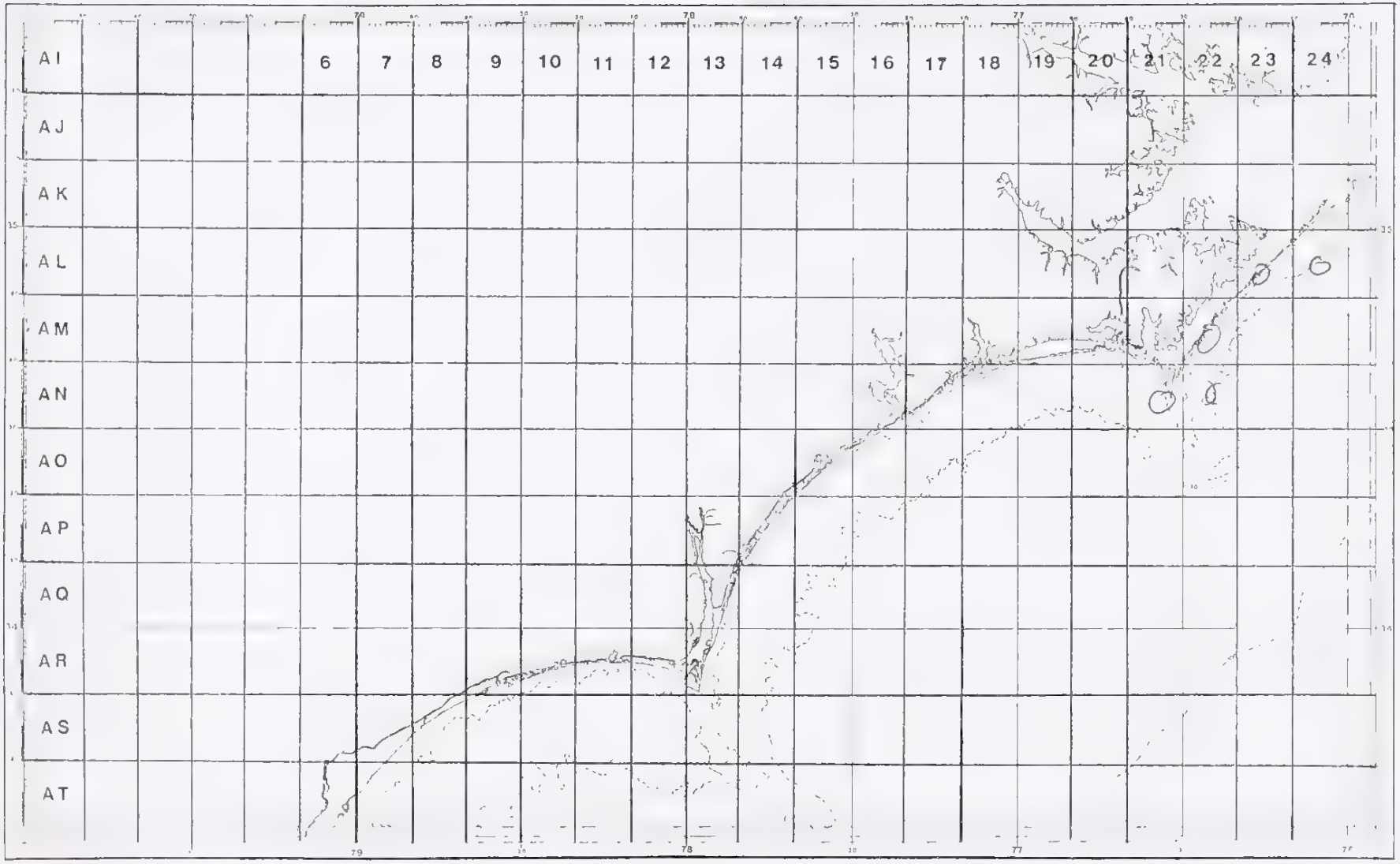
lbs/30 minute tow and average weight of Hickory Shad (*Alosa mediocris*), January 1976.

NONE CAPTURED NORTH OF HATTERAS



JANUARY 1976 Pounds/30 minute tow and average weight Striped Bass

(Morone saxatilis)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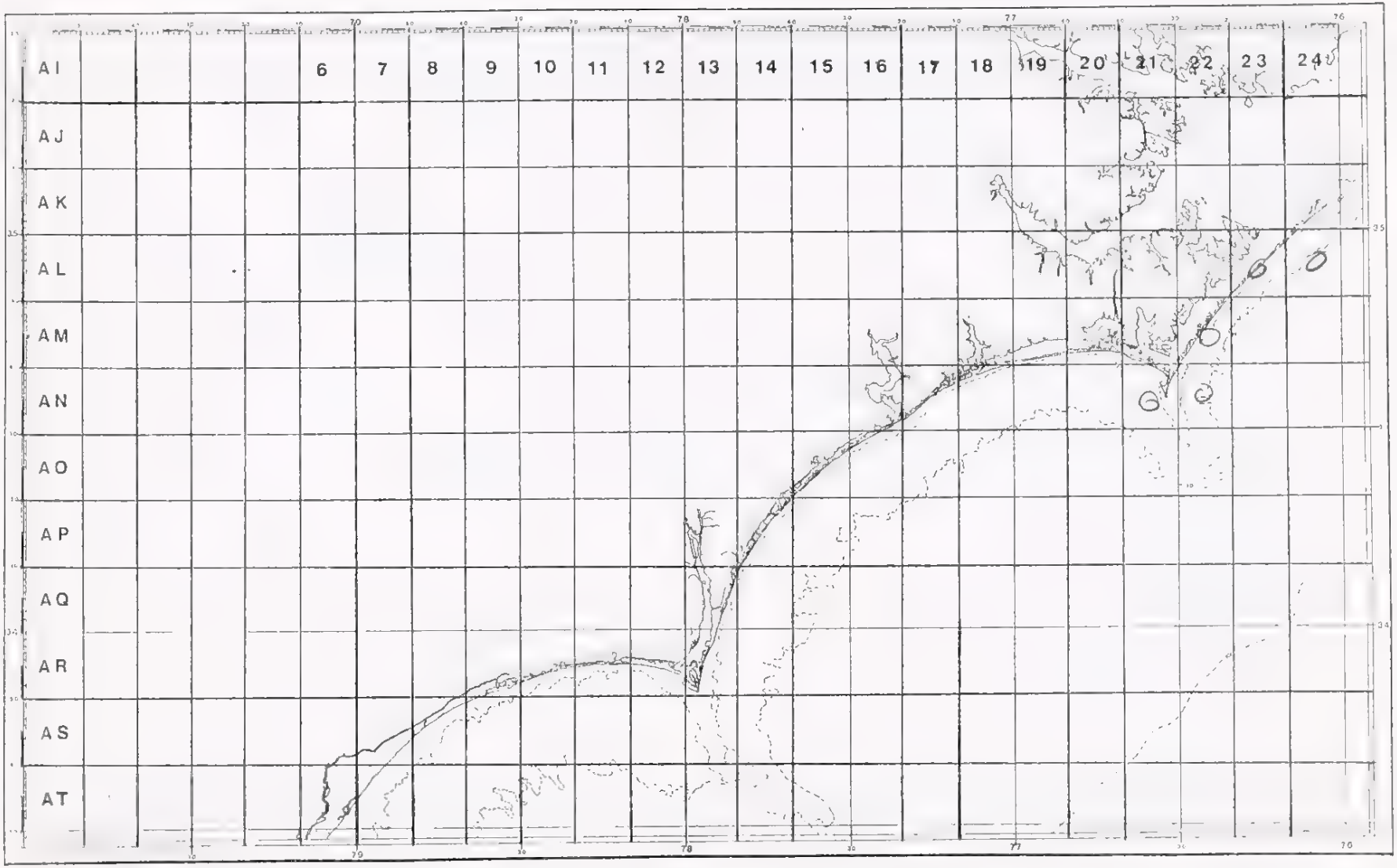
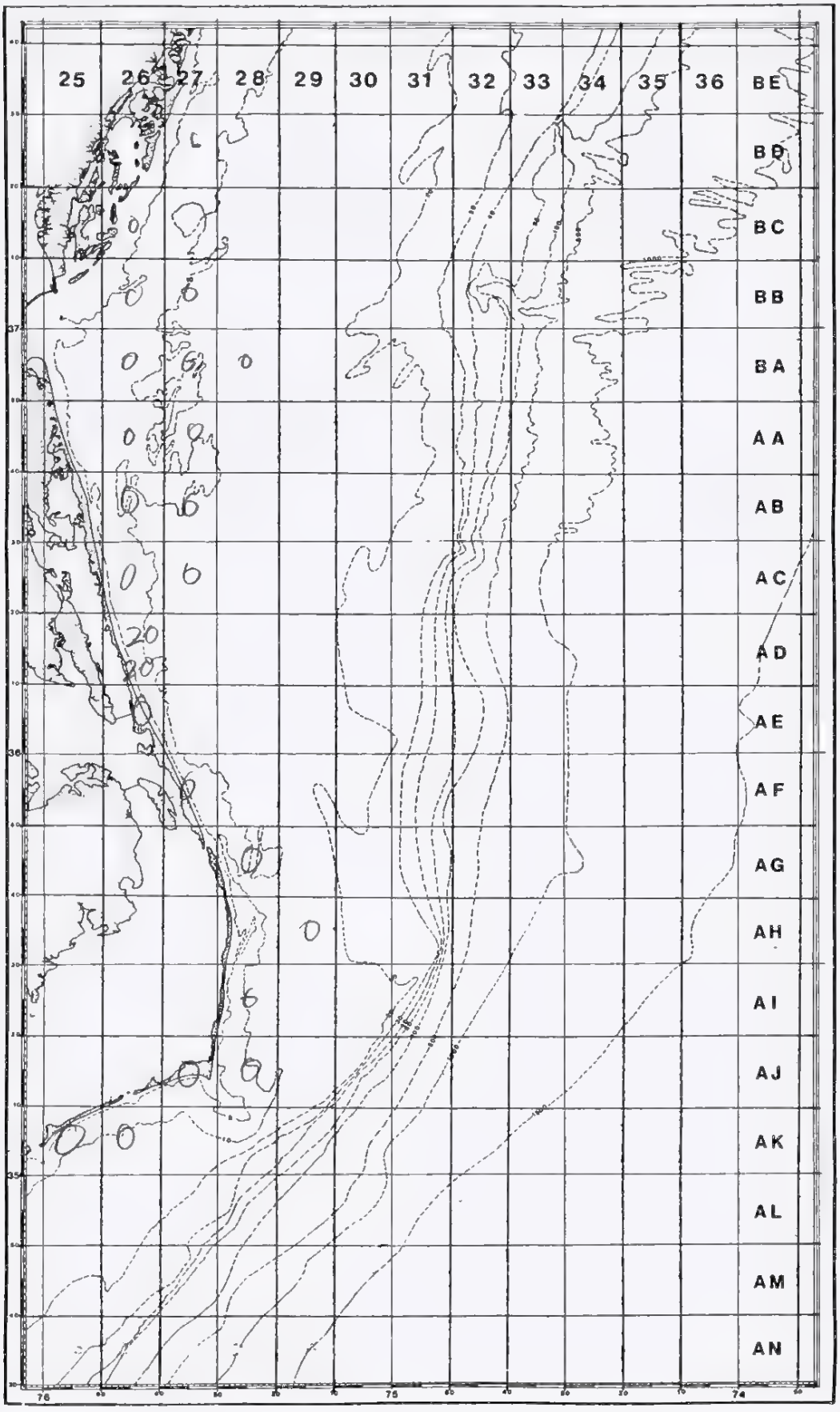


lbs/30 min. tow and average weight of Atlantic Sturgeon (Acipenser oxyrhynchus) January 1976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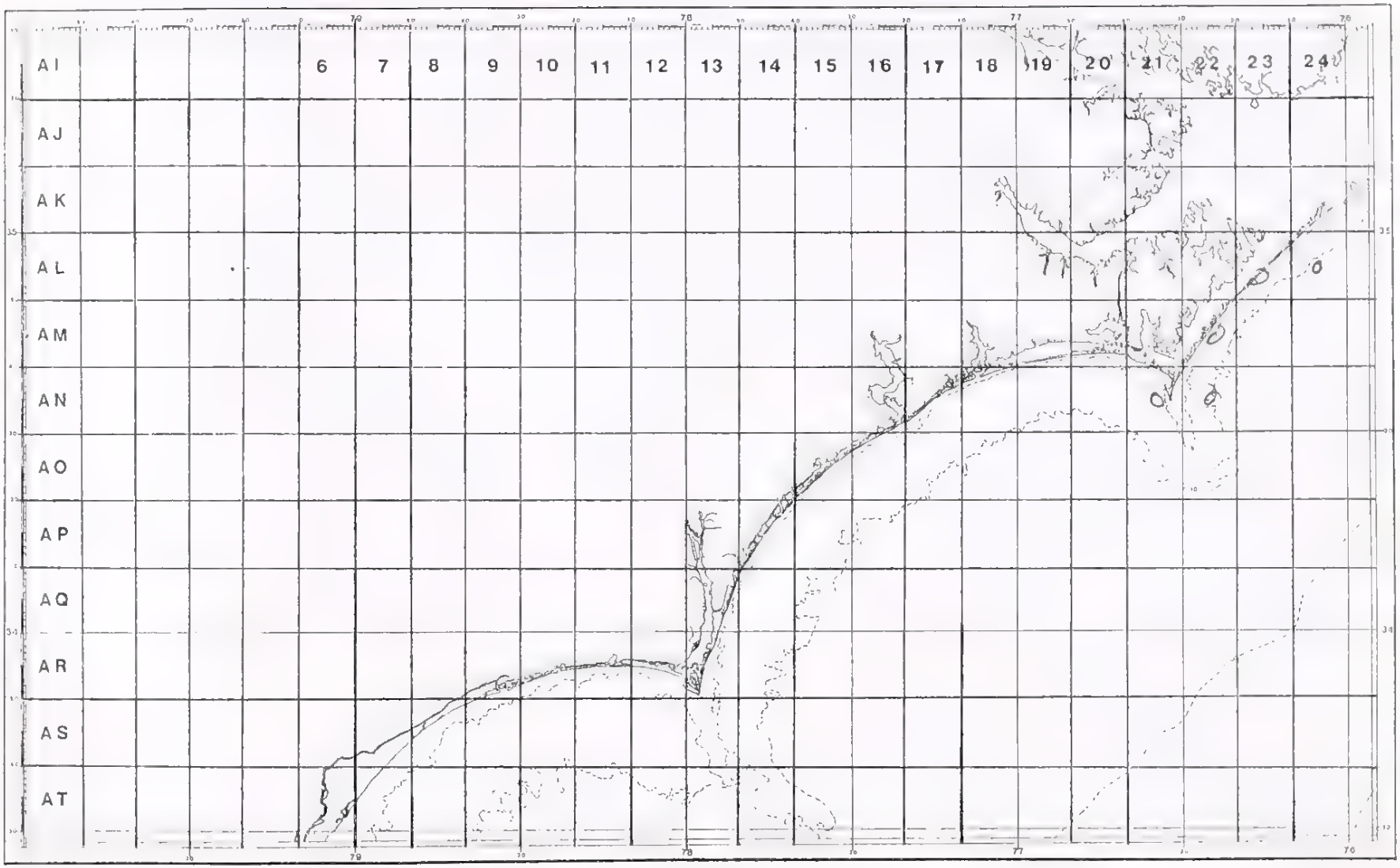
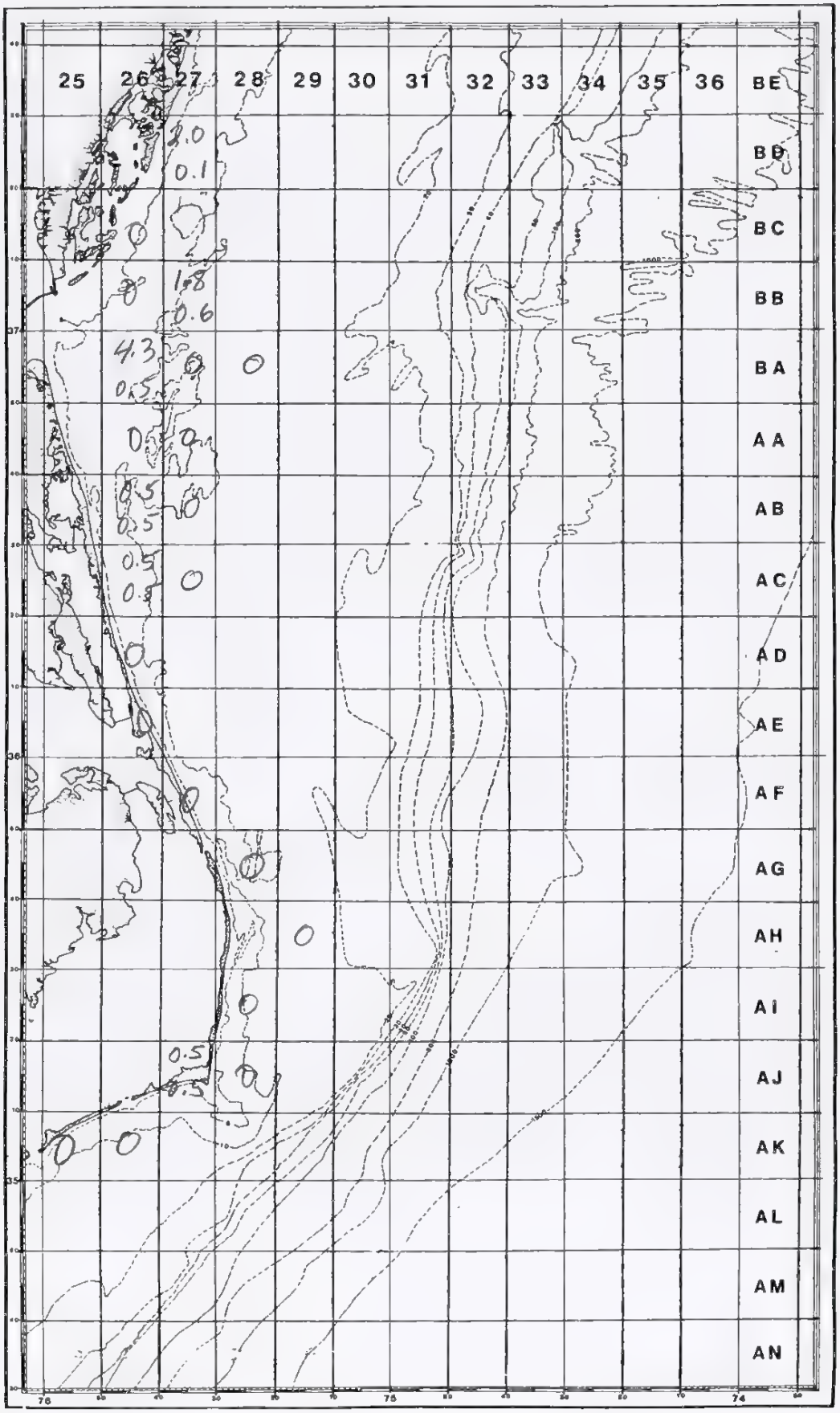


lbs/30min tow and average weight of alewife (Alosa pseudoharengus)

Jan. 76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75
74

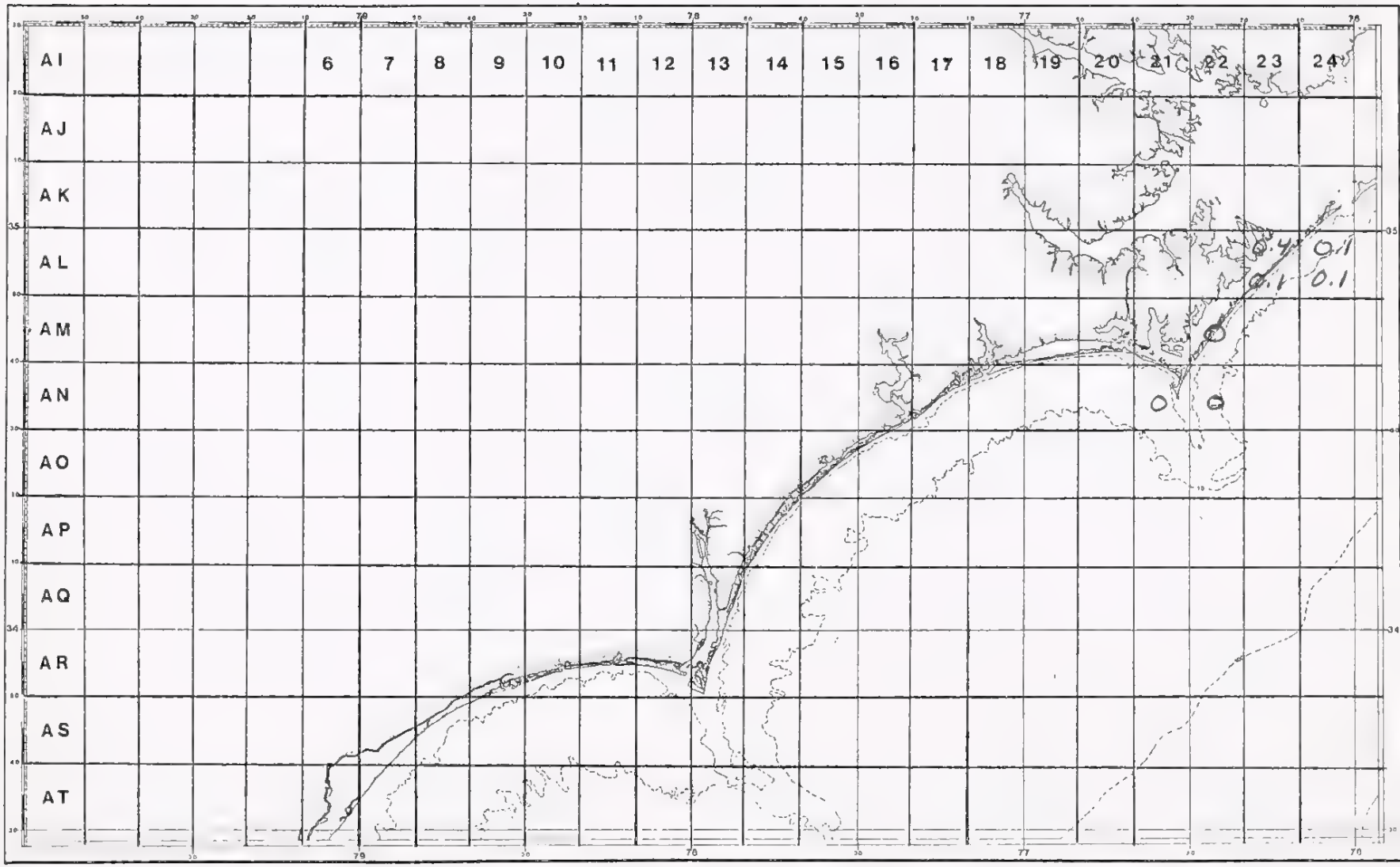

Figure 7. Pounds per 30-minute tow and average weight of american shad (Alosa sapidissima), January 1976.

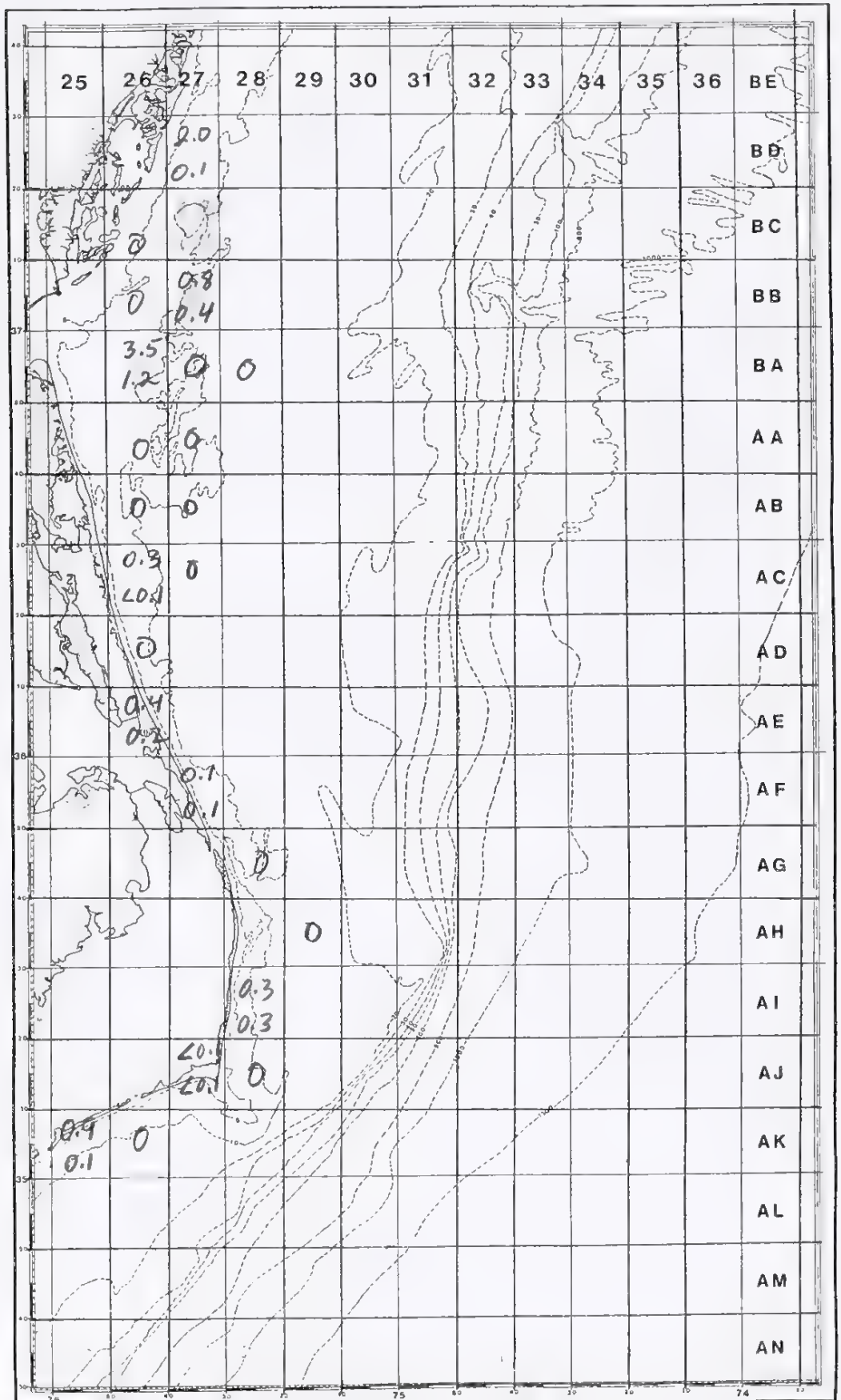

Figure 7. Continued.

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